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(54) STEREOPHONIC SOUND REPRODUCING METHOD

(57)Abstract:

PURPOSE: To facilitate control of the distance feeling for the sound image by making the focus of the sound wave in the sound field by several speakers each having the variable delay elements and the variable volume regulator, and the reflecting boards, and constituting the stereo sound field taking this focus as a new imaginary sound source.

CONSTITUTION: The constitution is composed of the speaker group 5, the delay element group 6 and a controlling part 7 controlling the delay quantity. By adjusting the delay quantity so that the phases of the sound waves from each speakers at the position 8 becomes equal, the sound pressure becomes high and there the spherical wave front is formed. If these several groups are combined, the several imaginary sound sources can be produced. And it is possible to control the distance feeling for the sound image by supplying a same signal 10 to the spherically arranged speakers 15-23 through a sound volume adjuster 11. Also, it is possible to make the several moving sound images by putting the variable delay element and the variable sound quantity adjusters to each speakers, controlling them at the controlling part, and controlling the delay quantities and the sound volumes of each speakers.

